

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P942985

Luminaire Tested: **GLAN-SB7B-730-U-T2**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P942985  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB7B-730-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 39680 lumens  
Efficiency: N/A  
Efficacy: 154.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B4 - U0 - G4

Input Watts (W): 256.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

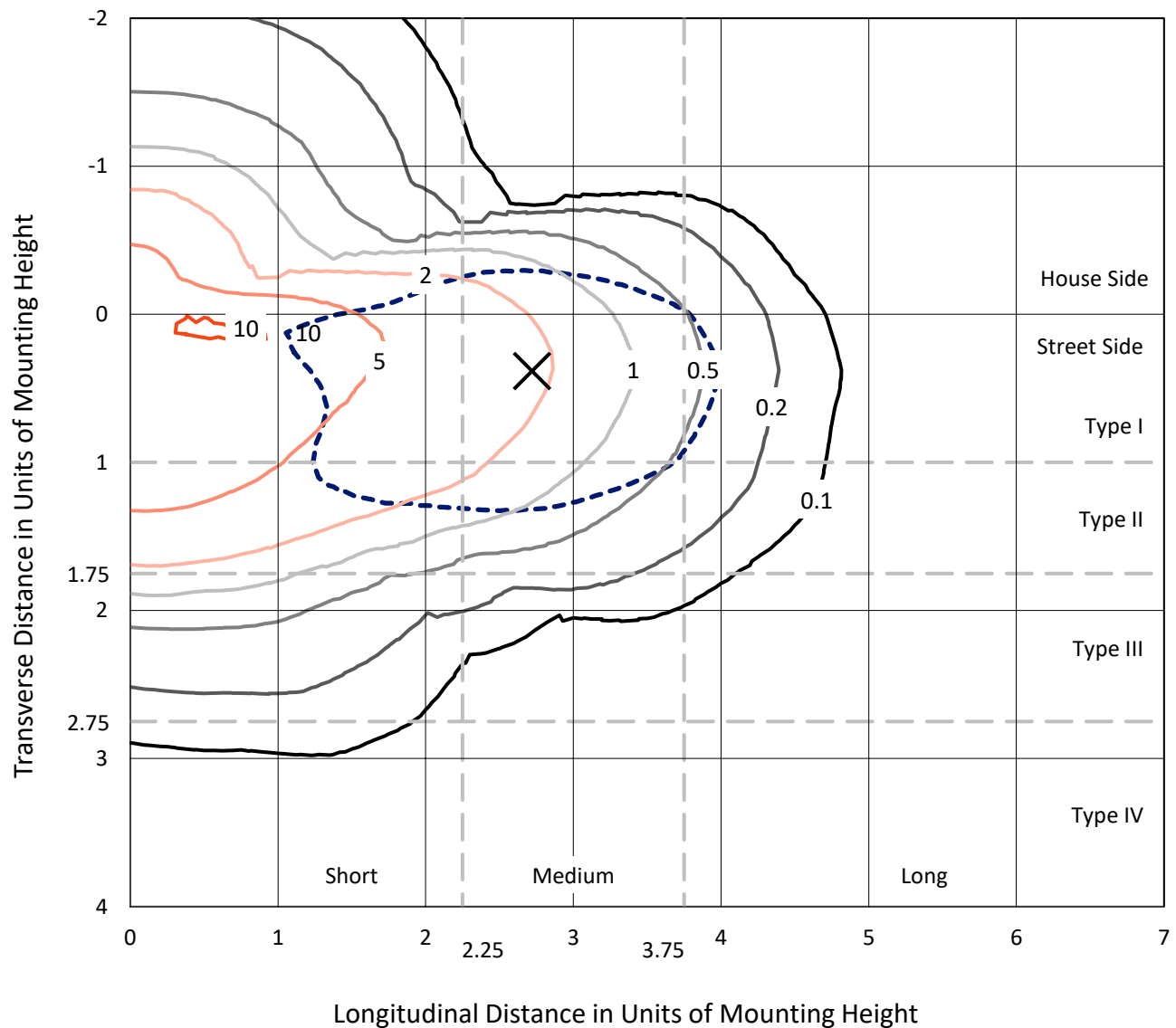


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## Iso-Footcandle Lines of Horizontal Illumination

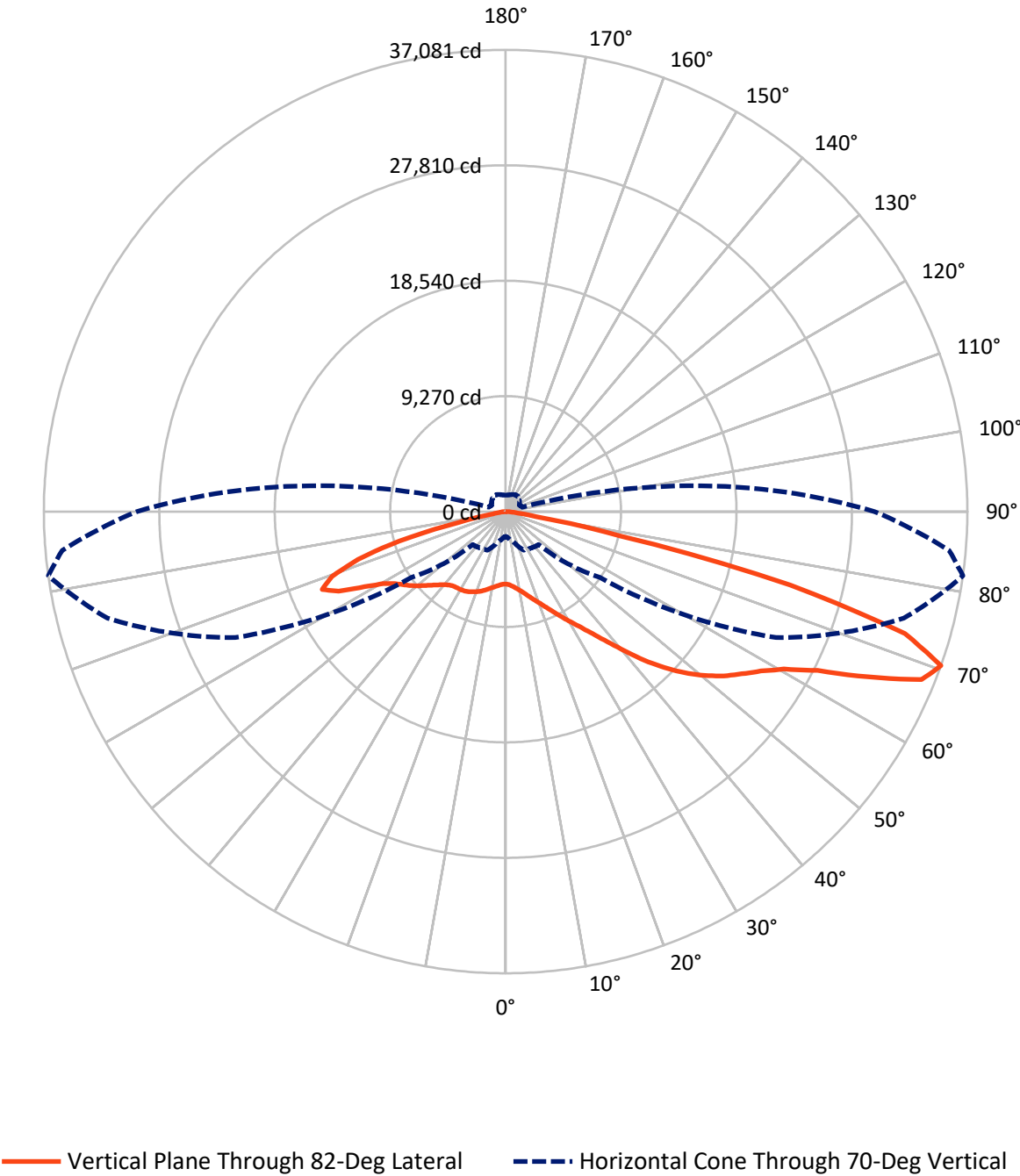
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.6 fc  
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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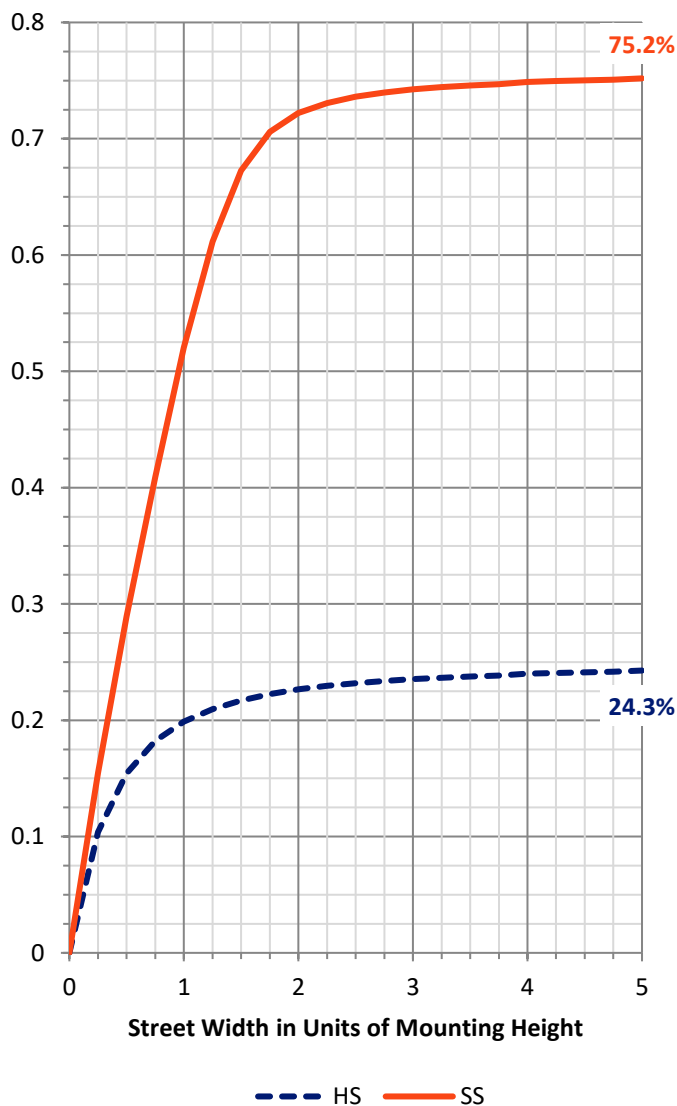
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 9782.1   | 0.0    | 9782.1  |
|                    | % Fixture | 24.7     | 0.0    | 24.7    |
| <b>Street Side</b> | Lumens    | 29897.9  | 0.0    | 29897.9 |
|                    | % Fixture | 75.3     | 0.0    | 75.3    |
| <b>Total</b>       | Lumens    | 39680.0  | 0.0    | 39680.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 549.3   | 1.4       |
| 10°-20°   | 1578.1  | 4.0       |
| 20°-30°   | 2640.0  | 6.7       |
| 30°-40°   | 4124.4  | 10.4      |
| 40°-50°   | 6568.6  | 16.6      |
| 50°-60°   | 9141.0  | 23.0      |
| 60°-70°   | 9561.9  | 24.1      |
| 70°-80°   | 4997.6  | 12.6      |
| 80°-90°   | 518.9   | 1.3       |
| 90°-100°  | 0.0     | 0.0       |
| 100°-110° | 0.0     | 0.0       |
| 110°-120° | 0.0     | 0.0       |
| 120°-130° | 0.0     | 0.0       |
| 130°-140° | 0.0     | 0.0       |
| 140°-150° | 0.0     | 0.0       |
| 150°-160° | 0.0     | 0.0       |
| 160°-170° | 0.0     | 0.0       |
| 170°-180° | 0.0     | 0.0       |
| 0°-90°    | 39680.0 | 100.0     |
| 0°-180°   | 39680.0 | 100.0     |

**Coefficient of Utilization**



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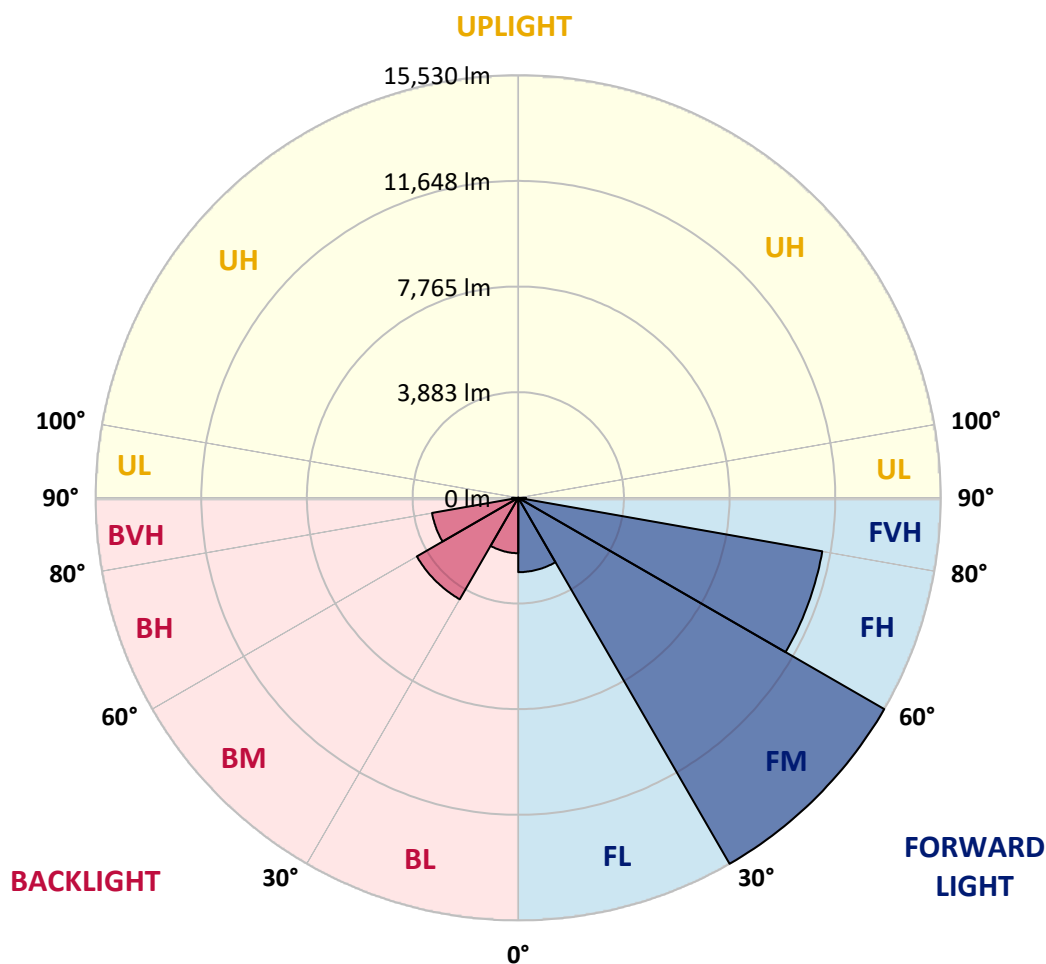
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 2732.4  | 6.9       |                         |      |          |
| FM   | (30°-60°)   | 15530.3 | 39.1      |                         |      |          |
| FH   | (60°-80°)   | 11344.6 | 28.6      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 290.5   | 0.7       |                         |      | G3/500   |
| BL   | (0°-30°)    | 2035.0  | 5.1       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 4303.7  | 10.8      | B3/5000                 |      |          |
| BH   | (60°-80°)   | 3214.9  | 8.1       | B4/5000                 |      | G4/5000  |
| BVH  | (80°-90°)   | 228.4   | 0.6       |                         |      | G3/500   |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |          |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |          |

**BUG Rating: B4-U0-G4**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 82°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 5817.6  | 5817.6  | 5817.6  | 5817.6  | 5817.6  | 5817.6  | 5817.6  | 5817.6  | 5817.6  | 5817.6  |
| 2.5°  | 5956.5  | 5990.2  | 5979.7  | 5969.2  | 5969.2  | 5954.4  | 5952.3  | 5931.3  | 5914.4  | 5887.1  |
| 5°    | 6032.3  | 6068.1  | 6063.9  | 6072.4  | 6099.7  | 6106.0  | 6112.4  | 6099.7  | 6066.0  | 6032.3  |
| 7.5°  | 5965.0  | 6005.0  | 6017.6  | 6068.1  | 6152.4  | 6228.2  | 6285.0  | 6308.2  | 6276.6  | 6228.2  |
| 10°   | 5737.6  | 5781.8  | 5826.0  | 5946.0  | 6095.5  | 6274.5  | 6426.1  | 6516.6  | 6510.3  | 6464.0  |
| 12.5° | 5276.5  | 5322.8  | 5417.5  | 5651.2  | 5925.0  | 6240.8  | 6522.9  | 6712.4  | 6777.7  | 6744.0  |
| 15°   | 4908.0  | 4948.0  | 5019.6  | 5259.6  | 5615.5  | 6095.5  | 6558.7  | 6927.2  | 7093.5  | 7074.6  |
| 17.5° | 4897.5  | 4914.3  | 4958.5  | 5072.2  | 5345.9  | 5868.1  | 6520.8  | 7137.8  | 7455.7  | 7453.6  |
| 20°   | 5082.8  | 5089.1  | 5114.3  | 5137.5  | 5293.3  | 5695.5  | 6424.0  | 7312.5  | 7862.1  | 7862.1  |
| 22.5° | 5339.6  | 5335.4  | 5360.7  | 5339.6  | 5415.4  | 5680.7  | 6362.9  | 7466.2  | 8314.7  | 8348.4  |
| 25°   | 5724.9  | 5703.9  | 5697.6  | 5649.1  | 5663.9  | 5817.6  | 6430.3  | 7641.0  | 8851.7  | 8921.1  |
| 27.5° | 6238.7  | 6205.0  | 6181.8  | 6070.2  | 6032.3  | 6099.7  | 6636.6  | 7851.5  | 9449.6  | 9569.6  |
| 30°   | 6908.2  | 6847.2  | 6813.5  | 6619.8  | 6482.9  | 6493.5  | 6948.3  | 8131.6  | 10075.0 | 10268.7 |
| 32.5° | 7822.1  | 7727.3  | 7636.8  | 7318.8  | 7068.3  | 6986.2  | 7350.4  | 8519.0  | 10753.0 | 11062.5 |
| 35°   | 8845.3  | 8769.5  | 8672.7  | 8182.1  | 7796.8  | 7607.3  | 7893.6  | 9060.1  | 11546.7 | 12037.3 |
| 37.5° | 9830.7  | 9765.5  | 9811.8  | 9150.6  | 8653.7  | 8377.9  | 8605.3  | 9786.5  | 12525.8 | 13250.1 |
| 40°   | 10849.8 | 10799.3 | 10805.6 | 10173.9 | 9594.9  | 9285.4  | 9468.6  | 10698.2 | 13648.1 | 14692.4 |
| 42.5° | 11957.3 | 11919.4 | 11793.1 | 11233.0 | 10582.4 | 10293.9 | 10462.4 | 11751.0 | 14852.4 | 16334.7 |
| 45°   | 13197.5 | 13174.3 | 13056.4 | 12414.2 | 11668.9 | 11344.6 | 11572.0 | 12913.2 | 16063.1 | 17880.2 |
| 47.5° | 14269.2 | 14288.1 | 14273.4 | 13732.3 | 12959.5 | 12483.7 | 12755.3 | 14126.0 | 17189.6 | 19333.0 |
| 50°   | 14785.0 | 14884.0 | 15029.3 | 14860.8 | 14380.8 | 13896.5 | 13949.1 | 15296.7 | 18263.4 | 20695.3 |
| 52.5° | 14515.5 | 14702.9 | 15098.8 | 15368.3 | 15553.6 | 15452.5 | 15311.4 | 16458.9 | 19274.0 | 21924.9 |
| 55°   | 13511.2 | 13774.4 | 14431.3 | 15081.9 | 16027.3 | 16762.1 | 16947.4 | 17747.5 | 20259.4 | 23007.1 |
| 57.5° | 11681.5 | 12108.9 | 12698.5 | 14014.4 | 15606.2 | 17395.9 | 18855.0 | 19535.1 | 21303.8 | 24163.1 |
| 60°   | 8544.2  | 9117.0  | 9849.7  | 11807.8 | 14132.3 | 17056.9 | 20478.4 | 22280.7 | 22788.2 | 25660.1 |
| 62.5° | 5468.1  | 5821.8  | 6495.6  | 8340.0  | 11011.9 | 15319.8 | 20975.3 | 25712.8 | 25304.3 | 28115.2 |
| 65°   | 3743.6  | 3971.0  | 4588.0  | 5623.9  | 7118.8  | 11403.6 | 19644.6 | 28285.7 | 29300.6 | 32006.2 |
| 67.5° | 2720.3  | 2893.0  | 3419.4  | 4326.9  | 4638.5  | 6748.2  | 15244.0 | 28167.8 | 33185.3 | 36015.1 |
| 70°   | 1983.4  | 2105.5  | 2547.7  | 3419.4  | 3568.9  | 3754.2  | 9234.9  | 23944.1 | 33101.1 | 37080.5 |
| 72.5° | 1469.7  | 1553.9  | 1850.8  | 2653.0  | 2888.8  | 2535.1  | 4571.1  | 17402.2 | 28443.6 | 33539.0 |
| 75°   | 1063.3  | 1126.5  | 1345.4  | 2029.7  | 2311.9  | 1930.8  | 2280.3  | 10169.7 | 19840.4 | 23592.5 |
| 77.5° | 812.7   | 861.2   | 1004.3  | 1486.5  | 1850.8  | 1448.6  | 1414.9  | 4678.5  | 9407.5  | 9453.8  |
| 80°   | 652.7   | 684.3   | 762.2   | 1046.4  | 1419.1  | 1084.3  | 922.2   | 1888.7  | 2973.0  | 2516.1  |
| 82.5° | 480.1   | 532.7   | 644.3   | 734.8   | 1014.9  | 747.5   | 562.2   | 953.8   | 1130.7  | 972.8   |
| 85°   | 273.7   | 309.5   | 389.5   | 526.4   | 648.5   | 456.9   | 322.1   | 423.2   | 526.4   | 431.6   |
| 87.5° | 96.9    | 126.3   | 136.9   | 206.3   | 282.1   | 189.5   | 124.2   | 122.1   | 172.7   | 128.4   |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

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**CANDELA DISTRIBUTION (continued):**

| 85°     |       | 90°     | 95°     | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 5817.6  | 0°    | 5817.6  | 5817.6  | 5817.6 | 5817.6 | 5817.6 | 5817.6 | 5817.6 | 5817.6 | 5817.6 | 5817.6 |
| 5880.8  | 2.5°  | 5859.7  | 5849.2  | 5807.1 | 5750.2 | 5691.3 | 5634.4 | 5615.5 | 5575.4 | 5548.1 | 5533.3 |
| 6017.6  | 5°    | 5977.6  | 5943.9  | 5845.0 | 5718.6 | 5586.0 | 5442.8 | 5341.7 | 5249.1 | 5181.7 | 5118.5 |
| 6205.0  | 7.5°  | 6146.0  | 6087.1  | 5916.5 | 5695.5 | 5459.6 | 5221.7 | 5044.9 | 4910.1 | 4819.6 | 4760.6 |
| 6424.0  | 10°   | 6341.9  | 6251.3  | 5990.2 | 5659.7 | 5295.4 | 4954.3 | 4745.9 | 4630.1 | 4573.2 | 4541.6 |
| 6674.5  | 12.5° | 6567.2  | 6438.7  | 6066.0 | 5577.6 | 5044.9 | 4655.3 | 4512.2 | 4478.5 | 4480.6 | 4482.7 |
| 6990.4  | 15°   | 6845.1  | 6666.1  | 6127.1 | 5398.6 | 4718.5 | 4425.8 | 4400.6 | 4455.3 | 4512.2 | 4539.5 |
| 7348.3  | 17.5° | 7158.8  | 6906.1  | 6137.6 | 5103.8 | 4398.5 | 4278.4 | 4358.5 | 4476.4 | 4562.7 | 4600.6 |
| 7748.4  | 20°   | 7495.7  | 7150.4  | 6061.8 | 4686.9 | 4135.3 | 4158.4 | 4301.6 | 4453.2 | 4547.9 | 4596.4 |
| 8205.3  | 22.5° | 7881.0  | 7411.5  | 5880.8 | 4249.0 | 3920.5 | 4027.9 | 4196.3 | 4343.7 | 4442.7 | 4491.1 |
| 8742.2  | 25°   | 8321.1  | 7704.1  | 5596.5 | 3880.5 | 3735.2 | 3880.5 | 4048.9 | 4171.1 | 4251.1 | 4295.3 |
| 9342.2  | 27.5° | 8809.5  | 8009.4  | 5217.5 | 3587.8 | 3573.1 | 3728.9 | 3867.9 | 3962.6 | 4004.7 | 4038.4 |
| 9980.2  | 30°   | 9300.1  | 8287.4  | 4758.5 | 3366.7 | 3432.0 | 3579.4 | 3678.4 | 3720.5 | 3733.1 | 3739.4 |
| 10691.9 | 32.5° | 9830.7  | 8527.4  | 4276.3 | 3183.6 | 3297.3 | 3434.1 | 3493.1 | 3512.0 | 3453.1 | 3413.1 |
| 11555.2 | 35°   | 10472.9 | 8784.3  | 3804.7 | 3038.3 | 3164.6 | 3282.5 | 3301.5 | 3284.6 | 3215.1 | 3133.0 |
| 12637.4 | 37.5° | 11266.7 | 9104.3  | 3427.8 | 2935.1 | 3040.4 | 3118.3 | 3095.1 | 3090.9 | 3097.2 | 3000.4 |
| 13938.6 | 40°   | 12239.5 | 9521.2  | 3152.0 | 2855.1 | 2939.3 | 2956.2 | 2890.9 | 2926.7 | 2958.3 | 2810.9 |
| 15366.2 | 42.5° | 13319.6 | 10024.4 | 2977.2 | 2800.4 | 2855.1 | 2815.1 | 2714.0 | 2754.0 | 2749.8 | 2556.1 |
| 16800.0 | 45°   | 14420.8 | 10571.9 | 2916.2 | 2760.4 | 2777.2 | 2697.2 | 2585.6 | 2596.1 | 2507.7 | 2332.9 |
| 18174.9 | 47.5° | 15515.7 | 11159.3 | 2954.1 | 2726.7 | 2680.3 | 2589.8 | 2503.5 | 2457.2 | 2326.6 | 2196.1 |
| 19493.0 | 50°   | 16589.5 | 11776.2 | 3093.0 | 2659.3 | 2547.7 | 2495.1 | 2431.9 | 2349.8 | 2210.8 | 2099.2 |
| 20739.5 | 52.5° | 17585.4 | 12397.4 | 3248.8 | 2547.7 | 2381.4 | 2412.9 | 2372.9 | 2278.2 | 2141.3 | 2027.6 |
| 21918.6 | 55°   | 18528.7 | 13018.5 | 3309.9 | 2394.0 | 2225.5 | 2341.4 | 2318.2 | 2143.4 | 1979.2 | 1886.6 |
| 23152.4 | 57.5° | 19556.2 | 13766.0 | 3242.5 | 2198.2 | 2099.2 | 2259.2 | 2170.8 | 1977.1 | 1882.3 | 1812.9 |
| 24758.9 | 60°   | 20979.5 | 14938.7 | 3097.2 | 1956.0 | 1979.2 | 2137.1 | 1985.5 | 1905.5 | 1802.3 | 1724.4 |
| 27167.7 | 62.5° | 23344.0 | 17126.4 | 2863.5 | 1716.0 | 1838.1 | 1956.0 | 1897.1 | 1817.1 | 1711.8 | 1636.0 |
| 31286.1 | 65°   | 26839.2 | 20166.8 | 2423.5 | 1528.6 | 1680.2 | 1779.2 | 1802.3 | 1722.3 | 1612.8 | 1532.8 |
| 34895.0 | 67.5° | 29787.0 | 22074.4 | 1833.9 | 1372.8 | 1518.1 | 1636.0 | 1701.3 | 1623.4 | 1507.6 | 1429.7 |
| 35739.3 | 70°   | 29624.8 | 20689.0 | 1400.2 | 1219.1 | 1374.9 | 1494.9 | 1579.1 | 1518.1 | 1393.9 | 1320.2 |
| 32463.1 | 72.5° | 26312.8 | 17307.5 | 1132.8 | 1063.3 | 1229.6 | 1347.5 | 1448.6 | 1402.3 | 1276.0 | 1204.4 |
| 23782.0 | 75°   | 19330.9 | 12285.8 | 905.4  | 905.4  | 1048.6 | 1193.8 | 1305.4 | 1276.0 | 1160.1 | 1109.6 |
| 9984.4  | 77.5° | 8148.4  | 5154.3  | 709.6  | 751.7  | 871.7  | 1025.4 | 1164.4 | 1174.9 | 1073.8 | 1137.0 |
| 2640.3  | 80°   | 2166.6  | 1421.2  | 541.1  | 591.7  | 684.3  | 846.4  | 1012.8 | 1008.5 | 899.1  | 840.1  |
| 981.2   | 82.5° | 825.4   | 560.1   | 385.3  | 416.9  | 494.8  | 648.5  | 802.2  | 827.5  | 718.0  | 621.1  |
| 385.3   | 85°   | 317.9   | 240.0   | 237.9  | 250.6  | 288.5  | 429.5  | 606.4  | 627.4  | 541.1  | 459.0  |
| 107.4   | 87.5° | 82.1    | 71.6    | 88.4   | 84.2   | 132.6  | 229.5  | 347.4  | 360.0  | 330.6  | 191.6  |
| 0.0     | 90°   | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

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| 180°   |
|--------|
| 5817.6 |
| 5550.2 |
| 5143.8 |
| 4773.2 |
| 4550.1 |
| 4486.9 |
| 4537.4 |
| 4609.0 |
| 4609.0 |
| 4503.7 |
| 4307.9 |
| 4051.0 |
| 3754.2 |
| 3425.7 |
| 3137.2 |
| 3006.7 |
| 2815.1 |
| 2554.0 |
| 2339.2 |
| 2196.1 |
| 2090.8 |
| 2029.7 |
| 1878.1 |
| 1806.5 |
| 1720.2 |
| 1636.0 |
| 1537.0 |
| 1431.8 |
| 1326.5 |
| 1204.4 |
| 1094.9 |
| 1031.7 |
| 781.2  |
| 621.1  |
| 473.7  |
| 273.7  |
| 0.0    |